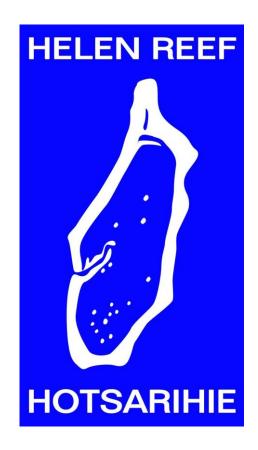
# HelenReefandtheHatohobeiComm unity: 2015 SEM-PasifikaSocioeconomicAssessment Report



Conductedandsupportedby the HelenReefManagementProject(HRMP), Hatohobei Organization for People and Envrionement (HOPE), OneReef, and the Pacific Island Managed and Protected Area Community (PIMPAC)



## **Table of Contents**

| Acknowledgements  | 3  |
|---|----|
| Executive Summary   | 3  |
| Introduction  | 4  |
| Assessment objectives   | 5  |
| Methods   |    |
| Results   |    |
| Discussion  |    |
| Recommendations and Conclusion                                    | 15 |
| Lessons Learned   | 16 |
| References  | 16 |
| Appendices  | 16 |
| Appendix 1 - Copy of Household Survey                             |    |
| Appendix 2 - Basic Statistics for All Survey Questions            |    |
| Appendix 3 - Helen Reef Management Project 2015 SEM-Pasifika Team |    |

## **Acknowledgements**

WewishtoextendourthanksandgratitudetothecommunityofHatohobeiforparticipatinginthesocioe conomicassessmentsurveyaswellastheHelenReefResourceManagementOffice, the Hatohobei Organization for People and Environment (HOPE), and OneReeffortheirsupport in completing the monitoring assessment.OurappreciationgoestothePacific Islands Managed and Protected Area Community (PIMPAC)forprovidingthe technical support for data analysis and report writing.Wewouldalsoliketoacknowledgeseveral local enumerators who carried the surveys in Echang Village over approximately one month. A list of the full project team can be found in Appendix 3.

#### **Executive Summary**

In 2009 a socio-economic assessment was completed for the Helen Reef Management Project (HRMP) to provide baseline information "to ensure that they are meeting their goals and objectives as well as to see the perspectives people have on the work that is being done for Helen Reef."This report follows up on the initial baseline assessment as part of the HRMP monitoring program. It has been approximately six years since the initial assessment and HRMP requested the support of the Pacific Islands Managed and Protected Area Community (PIMPAC) to re-do the original survey to understand changes in knowledge attitudes and perceptions since the original assessment in 2009.

This monitoring assessment was the first one to be completed after the baseline assessment carried out in 2009. It should be acknowledged that completing this assessment is a great achievement in itself and an indication of the on-going dedication by Helen Reef Management Project board and staff for adaptive management that provides community benefits.

From January 10-30, 2015, HOPE and HRMP staff worked to prepare for the second assessment. Because the objectives were the same, the original survey was used in this assessment with the exception of some questions that were no longer relevant. High school students, and neighboring community members were recruited to participate in the assessment as enumerators. The survey was conducted as a census in which the assessment team attempted to interview every community member that was 18 years or older. They were able to interview 115 out of 121 community members (6 declined). Another 3 surveys that were self-completed from Tobians living outside of Palau making the total number of surveys completed 118.

The findings of the 2015 socioeconomic assessment are similar to those in 2009. The understanding of the rules and results of management efforts of the HRMP remain not well understood by many. This mayindicate that more awareness should be raised within the community about the management actions and results of management.

One of interesting changes noted was in the perceived threats to Helen Reef Resources. In 2015, the main threats identified are illegal fishing, climate change and natural disasters. Climate change was noted most frequently as "the biggest threat", closely followed by illegal fishing. In 2009, climate change was not even identified as one of the three main

threats. This change could be due to recent emphasis on climate change awareness programs in the community.

It is clear that the Tobi community still feels a strong connection to the resources of Helen Reef, want to see them protected, and want to see threats like illegal fishing be addressed through more enforcement efforts. It is also clear that much of the community supports the existing management framework to ensure there are fish and resources for future generations. The main areas to be explored as a result of this monitoring survey is further awareness and engagement with the community to:

- a. Explain specific management activities, rules and regulations
- b. Share results of existing management efforts (changes in resources over time)
- c. Provide opportunities for engagement in management activities
- d. Discuss options for improving access and benefits from natural resources

It is recommended that the results of this survey be used as a launching point to initiate this communication with the community to ensure that the support for Helen Reef Management continues into the future!

#### Introduction

In 2009 a socio-economic assessment was completed for the Helen Reef Management Project (HRMP) to provide baseline information "to ensure that they are meeting their goals and objectives as well as to see the perspectives people have on the work that is being done for Helen Reef." To complete the 2009 assessment a 10-day workshop was completed with support from the National Oceanic and Atmospheric Administration (NOAA) using the SEM-Pasifika Socioeconomic Monitoring Guidelines for Coastal Managers in Pacific Island Countries. This workshop involved training of a team of participants from various states in Palau to complete focus group discussions, key informant interviews, development and implementation of a household survey, analysis of data and report out of the results. The participants worked directly with Helen Reef Management Project staff to understand the assessment objectives and design a household survey that met the objectives. A final report including background information on HRMP and the initial baseline information can be found at socmon.org -Oldiais, NW. 2009. Helen Reef and Hatohobei Community: SEM-Pasifika Socioeconomic Assessment Report. Palau International Coral Reef Center

Upon completion of the 2009 assessment the HRMP completed further communications with the community to provide the results of the assessment to stakeholders. Additionally, the HRMP and their board used the results of the assessment to modify the management plan to address the specific results of the assessment. Changes that were made include: removal of rules to limit fish catch by cooler sizes, instituting policies on Staff and Board monthly meetings, quarterly community update meetings, and annual retreat of Board Staff with OneReef partners to review annual progress and to develop annual work plan. Most important was development of an Education and Outreach position within the program and hiring a full time staff to address community engagement and awareness.

This report follows up on the initial baseline assessment as part of the HRMP monitoring program. It has been approximately six years since the initial assessment and HRMP requested the support of the Pacific Islands Managed and Protected Area Community (PIMPAC) to re-do the original survey to understand changes in knowledge attitudes and

perceptions since the original assessment in 2009. Meghan Gombos, PIMPAC regional advisor, helped complete data entry and analysis, and report writing.

### **Assessment objectives**

The assessment objectives from 2009 were used to design the original survey and guide the use of the assessment. These included

- Collect basic demographic information (including income and occupation)
- Determine frequency of access to and use of Helen Reef (including frequency of trips and activities while there)
- Determine the community members' long term vision for Helen Reef (including interest and feasibility of moving back)
- Identify perceived threats to Helen Reef
- Understand awareness and knowledge of management activities
- Determine perceived changes in resource since new rules in place
- Determine perceived level of enforcement
- Determine community satisfaction with management (support for process and level of agreement with rules)
- Collect information about how can management be improved

It was intended in 2009 to monitor these factors over time to understand socio-economic changes. As such these objectives were used for the 2015 assessment and the same survey was used to understand changes over time.

In addition to the survey related to HRMP, additional questions were added to the household survey to gain knowledge, attitudes and perceptions of community members about the other community based organizations of Hatohobei State. These include the Hatohobei Women's Association (HWA), the Hatohobei State Youth Organization (HSYO), Hatohobei Organization for People and Environment (HOPE), and OneReef.

### Methods

From January 10 -30, 2015 HOPE and HRMP staff worked to prepare for the second assessment. Because the objectives were the same, the original survey was used in this assessment. However, there were some questions that were removed, as they were no longer relevant. For example rules about the amount of fish that could be taken from Helen Reef in the take area for subsistence purposes were changed after results from the 2009 assessment indicated non-support for these rules. As such questions about those rules were removed from the survey.

Additionally, a series of questions were developed and added to the assessment survey to gather information on the other community based organizations. Results of these questions will be discussed in a separate report.

High school students, and neighboring community members were recruited to participate in the assessment as enumerators. The survey was conducted as a census in which the assessment team attempted to interview every community member that was 18 years or

older. They were able to interview 115 out of 121 community members (6 declined). Another 3 surveys that were self-completed from Tobians living outside of Palau making the total number of surveys completed 118. The majority of the household survey were done in the Echang community in the state of Koror and some at workplace and other areas outside of Echang. Four survey teams with at least 4 members (2 from HOPE or HRMP and 2 enumerators) were each given an area of Echang community to survey. In an effort to include Tobians outside of the country, a facebook post was placed asking people to complete the survey by themselves and to send the results to Meghan Gombos. 14 surveys were also completed by Tracy Marcello over the radio with community members living on either Tobi Island or Helen Reef. These were all conducted on one survey sheet and therefore the data could not be separated to correspond with a particular individual. For this reason the information was entered into the data sheet by assigning random answers to specific individuals. While the methods for conducting surveys and data entry were not always consistent, the Helen Reef Management Project staff felt it was better to include as many Tobians as possible to provide input on this survey. This included Tobians living outside of Palau and those who were located on Helen or Tobi and not easily accessible.

Data entry was completed mainly by Rosania Victor, HRMP Director, with support from Meghan Gombos. Following this was the data analysis and development of the report, completed by Meghan Gombos.

#### Results

The findings of the 2015 socioeconomic assessment are based on a total of 118 responses. Full summary statistics for all questions are available in Appendix 3.

Based on the survey, the average age of the Tobian community is 42 with approximately 50% male which is very similar to the 2009 survey results. About a third of the population is between 26-35 years old.50% of the respondents are married compared to 60% in 2009. The types of occupations remain consistent from 2009 ranging from being a housewife to working for the government (Table 1) with 74% earning their income through their jobs (compared to 72% in 2009) (Table 2).

Table 1: Occupation

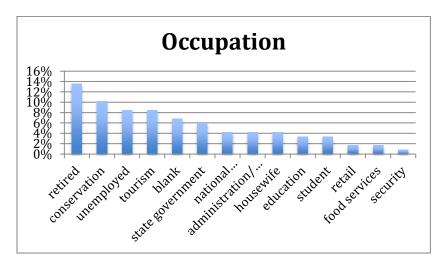
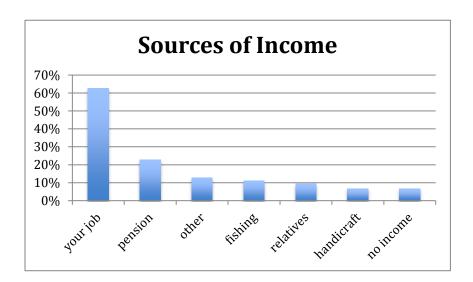


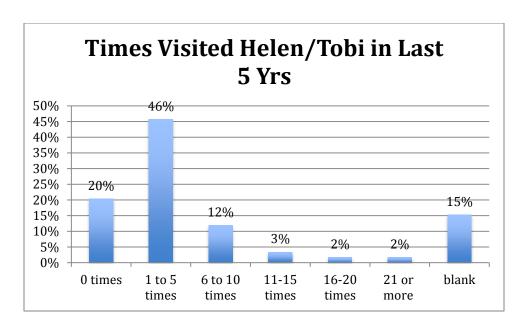
Table 2: Sources of Income



68% of respondents lived on Tobi as a child and 85% would like to move back someday. This is similar to 2009 findings where 70% lived on Tobi as a child 81% wanted to move back someday. Similarly 90% responded they would like to visit more often as compared to 92% in 2009.

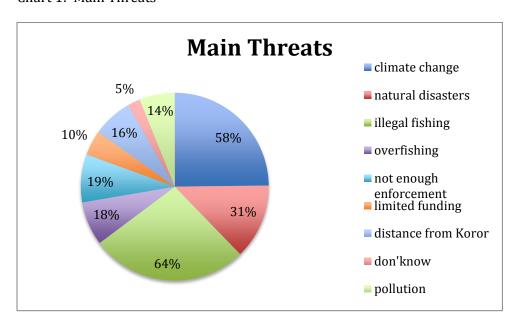
Table 3 shows that 46% of the community visited Helen/Tobi 1-5 times in the past five years which is the most common range in number of visits. While another 19% visited several times more than that, there are also 20% who have not visited and 15% who did not respond. It is unclear if no response meant they did not visit.

Table 3: Times visited in Last 5 Years



In 2009, themainthreats to the Helen Reef environment that were identified were illegal fishing, poaching, and commercial fishing. In 2015, the main threats identified are illegal fishing, climate change and natural disasters (Chart 1) with climate change being noted most frequently as "the biggest threat", closely followed by illegal fishing.

Chart 1: Main Threats



Most of the community (87%) is aware of the Helen Reef Management Project and similarly 85% are aware of that the Helen Reef Project established a no-take and take zone, as well as an enforcement program. These results show that there is a 13% increase awareness of the Helen Reef Management Project since 2009 in which only 74% were aware of the Project. There was a slight decrease in awareness of the management activities from 89% in 2009 to 85% in 2015.

However, understanding of the rules within each zone and the results of these management efforts are still not completelyunderstood by many. Table 4a shows the awareness of the activities allowed/not-allowed in the no-take area and take area, while table 4b shows responses to these questions from 2009. Commercial fishing in the no-take area was not asked about in the 2015 survey.

Table 4a: 2015 Knowledge of activities in "no take" area and "take" area. Green highlighted boxes indicate the correct answer.

|                    | Not     |         |            | Percent Don't know and |
|--------------------|---------|---------|------------|------------------------|
| No Take Area       | Allowed | Allowed | Don't Know | Wrong Answer Combine   |
| Scuba Diving       | 40%     | 43%     | 15%        | 55%                    |
| Harvesting Turtles | 82%     | 8%      | 8%         | 16%                    |
| Subsistence        |         |         |            | 25%                    |
| Fishing            | 74%     | 14%     | 11%        |                        |
| Taking Bird Eggs   | 75%     | 13%     | 11%        | 24%                    |
| Take Area          |         |         |            |                        |
| Scuba Diving       | 13%     | 80%     | 7%         | 20%                    |
| Harvesting Turtles | 13%     | 82%     | 4%         | 17%                    |
| Commercial         |         |         |            | 40%                    |
| Fishing            | 46%     | 25%     | 15%        |                        |
| Subsistence        |         |         |            | 12%                    |
| Fishing            | 6%      | 87%     | 6%         |                        |
| Taking Bird Eggs   | 38%     | 46%     | 14%        | 60%                    |

Table 4b: 2009 Knowledge of activities in "no take" area and "take" area.

|                    | Not<br>Allowed | Allowed | Don't Know | Percent Don't know<br>and Wrong Answer<br>combined |
|--------------------|----------------|---------|------------|--|
| Scuba Diving       | 45%            | 42%     | 12%        | 57%  |
| Harvesting Turtles | 82%            | 6%      | 10%        | 16%  |
| Commercial Fishing | 93%            | 2%      | 5%         | 7%   |

| Subsistence Fishing | 65% | 23% | 12% | 35% |
|---------------------|-----|-----|-----|-----|
| Taking Bird Eggs    | 82% | 9%  | 8%  | 17% |
| TAKE AREA           |     |     |     |     |
| Scuba Diving        | 23% | 66% | 11% | 34% |
| Harvesting Turtles  | 13% | 78% | 8%  | 21% |
| Commercial Fishing  | 48% | 41% | 10% | 51% |
| Subsistence Fishing | 6%  | 89% | 5%  | 11% |
| Taking Bird Eggs    | 38% | 49% | 11% | 60% |

When reviewing Tables 4a and 4b one can see that there are still many community members who either "don't know" or are misunderstanding rules within the different zones. The last column of these tables provides this combined percentage and for some rules, numbers are quite high and have in some cases gotten higher over time. The most misunderstood rules are for scuba diving, commercial fishing, and harvesting bird eggs, which have 40% or more people not understanding proper rules. 25% of the population also does understand that subsistence fishing is not allowed in the "no-take" area.

Chart 2 demonstrates that while 43% of respondents perceive that the no-take area has "led to more fish", an even greater percentage 48% "don't know" what changes have occurred through this management measure. This percentage is down from 2009 in which 60% of people felt that the establishment of the no take area of Helen Reef "led to more fish". Additionally, the percentage of people who don't know what the changes are, increased from 30% of people in 2009 to 48% in 2015.

Chart 2: Perceived Changes Due to No-Take Area

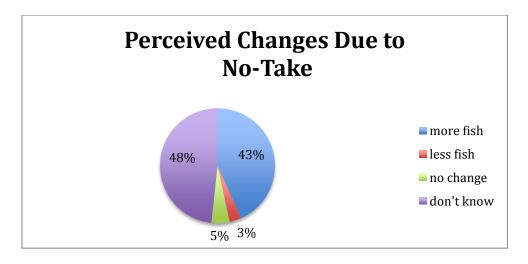


Chart 3 illustrates that when respondents were asked how they feel about enforcement of rules, 45% noted there was not enough enforcement in 2015. While this percentage was down from 58% in 2009 it was still the most common response. The percentage of

responses that noted the right amount of enforcement remained very similar from 27% in 2009 to 29% in 2015.

Chart 3: Perceptions of Enforcement

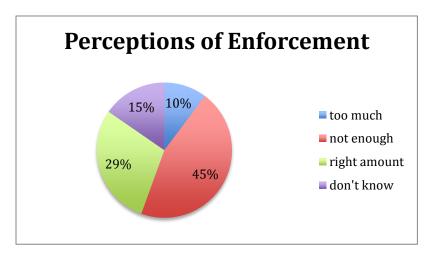


Table 5a shows the attitudes or support toward the Helen Reef rules. Similar to 2009 (Table 5b), there is a relatively high support for the rules and regulations with the least support at 69% for "the limit of taking 5 turtles per year" and "fishing activities must be approved by the Helen Reef Board". While this number is similar to 2009 for the limit on taking turtles, support for board approval has decreased by 8%. Support for the no-take area remains high at 93% since 2009 which was at 96% support. Support for "no net fishing" has increased by 8% since 2009.

Table 5a: 2015 AttitudestowardHelenReefrules

| Rules and regulations                                       | Support | Don't<br>support | Neutral | Don't<br>know |
|---|---------|------------------|---------|---------------|
| No Commercial Fishing                                       | 81%     | 14%              | 4%      | 1%            |
| Harvesting 5 Turtles Per Year                               | 69%     | 23%              | 5%      | 3%            |
| Monetary Fines for Violation                                | 95%     | 3%               | 1%      | 0%            |
| No-take area  | 93%     | 4%               | 0%      | 2%            |
| No Net fishing  | 80%     | 13%              | 3%      | 3%            |
| Fishing activities must be approved by the Helen Reef Board | 69%     | 24%              | 2%      | 5%            |

Table 5b: 2009 Attitudes toward Helen Reef rules

| Rules and regulations           | Support | Don't<br>Support | Neutral | Don't<br>Know |
|---------------------------------|---------|------------------|---------|---------------|
| No Commercial Fishing           | 77%     | 5%               | 5%      | 12%           |
| Harvesting 5Turtles PerYear     | 71%     | 22%              | 4%      | 3%            |
| Monetary Finesfor Violation     | 92%     | 3%               | 3%      | 2%            |
| 500 Lbs. of fish per stateevent | 78%     | 14%              | 3%      | 4%            |

| 72 quartz offish per person per trip      | 67% | 25% | 5% | 2% |
|---|-----|-----|----|----|
| No-take area                              | 96% | 2%  | 2% | 0% |
| No Net fishing                            | 72% | 21% | 3% | 3% |
| Fishing activitiesmust be approved by the |     |     |    |    |
| Helen ReefBoard                           | 77% | 14% | 2% | 5% |

Table 6 shows the perceptions of the Helen Reef Project Management. The numbers indicate there is a fairly high level of approval for HRMP management. While 86% of respondents support the work being done and 83% feel it protects resources for future generations, only 47% feel their family receives benefits from Helen Reef resources. Most community members (83%) also feel that the program provides opportunities like employment, funding, or training. However, similar to the rules, there are a fair amount of community members who either don't support, are neutral, or don't know about specific aspects of management. These numbers can add up when considered in combination. For example, combining these answers reveals that 70% of respondents disagree, are neutral, or don't know if their family receives benefits from HR resources. 42-47% of respondents disagree, are neutral, or don't know if HRMP management provides enough access to resources, if the board is doing a good job, or if management prevents earning income.

Table 6: Perceptions of Helen Reef Project Management

| Statement                                       | Agree | Disagree | Neutral | Don't know |
|---|-------|----------|---------|------------|
| Support work being done by HRP                  | 86%   | 8%       | 5%      | 1%         |
| Family Receives benefits from HR resources      | 47%   | 30%      | 7%      | 16%        |
| HRP Protects heritage                           | 70%   | 14%      | 3%      | 11%        |
| HRP provides opportunities                      | 83%   | 7%       | 3%      | 6%         |
| HRP does not provide enough access to resources | 22%   | 53%      | 8%      | 17%        |
| HRP board does good job                         | 53%   | 19%      | 13%     | 14%        |
| HRP prevents earning income                     | 19%   | 57%      | 7%      | 16%        |
| HRP takes away rights to live off land          | 25%   | 61%      | 4%      | 8%         |
| HRP Protects resources for future               | 83%   | 5%       | 6%      | 5%         |

These results align with the answers provided about what the community wants to see in the future shown in Table 7a. Most community members (92%) want to see more fish on the reef, more access to visit Helen Reef and Tobi (93%) and more Tobians living on Helen Reef or Tobi (93%). Almost half of respondents (43%) noted a desire to see fewer restrictions on fishing and taking of other resources. This is down from 57% who

responded this way in 2009 (see Table 7b). However, 72% noted the desire to receive more fish for their family in 2015, which is up from 58% who responded this way in 2009. An interest in seeing more tourism on Helen Reef remained similar at 73% in 2015 as 2009 responses (79%)

Table 7a: 2015 What do you want to see in the future:

| Statements           | Agree | Disagree | Neutral | Don't know |
|----------------------|-------|----------|---------|------------|
| more fish on reef    | 92%   | 5%       | 1%      | 2%         |
| more access          | 93%   | 3%       | 2%      | 0%         |
| less restrictions    | 43%   | 46%      | 7%      | 3%         |
| more tobians         | 93%   | 3%       | 3%      | 1%         |
| more tourism         | 73%   | 10%      | 10%     | 6%         |
| more fish for family | 72%   | 19%      | 6%      | 3%         |

Table 7b: 2009 What do you want to see in the future:

| Statements            | Agree | Don't agree | IDK/Neutral |
|-----------------------|-------|-------------|-------------|
| a. more fish in reef  | 97%   | 1%          | 2%          |
| b. moreaccess         | 95%   | 3%          | 1%          |
| c.less restrictions   | 57%   | 31%         | 12%         |
| d. more Tobians       | 95%   | 3%          | 2%          |
| e. more tourism       | 79%   | 6%          | 14%         |
| f.morefishforfamilies | 58%   | 24%         | 17%         |

Only 58% noted that they have heard of the Community Conservation Agreement that provides funding for Helen Reef Management Project. 68% noted they are interested in being more involved in management. About half of the respondents provided suggestions to improve management. The majority of these suggestions were aimed at improving resources, staff numbers, and support for enforcement rangers. Other suggestions included improving the management of the HRMP with improvements to the Board, improvements to staff capacity, and communications. Several respondents suggested more involvement of the community in awareness and policy making. Other responses included providing more strict conservation rules. The full list of suggestions can be found in Appendix 2.

#### Discussion

This was the first assessment carried out as part of a socio-economic monitoring program for the Helen Reef Management Project. It has been six years since the first baseline assessment. Since that time, the basic demographics (age, sex, marital status, and income) of the community have not changed much. One of the main changes noted in the awareness of the community is that climate change was identified as one of the top main threats to Helen Reef Resources and mentioned as the "biggest threat" the most times. In 2009, the community did not identify climate change as one of the top three main threats.

This change is likely due to recent outreach and awareness efforts carried out by the HRMP and HOPE on climate change.

There has also been a slight increase in awareness of the HRMP, which could be due to it being around for a longer period of time and therefore more people knowing about the Project. However, the understanding of the rules at Helen Reef and results of management efforts of the HRMP still remain misunderstood by many, as was the situation in 2009. As mentioned in the previous report this could be due to a need for more awareness of the rules and the specific differences between the two management zones. However, for some community members, the details of these rules may not be of significant concern if they do not visit the islands. The survey results show that 20% of community members have not visited Helen/Tobi in the past 5 years. Another 15% did not answer that question so it is unclear if they also have not been. In this case, some community members may not be aware of the details of the zones because they do not use the resources directly. This could also explain why there is still a very high support rating for the no take zone at 93% and only a 4% rating for non-support. Some people may not directly use the resource but they want to know it's being protected.

While this may be the case, there is still an indication that more awareness should be raised within the community about the management actions and results of management. For example, only 43% of the community perceived that the no-take area has led to "more fish". Another 48% "don't know" what changes have occurred which is a direct indication that more outreach could help people understand how the resources are changing due to management efforts. These numbers have also changed since 2009 with less people thinking there are more fish and more people who don't know. It would be good to explore if outreach that provides information from the biological monitoring is being conducted and if so to perhaps consider additional forms of outreach to ensure most community members receive this information.

It is clear that the Tobi community still feels a strong connection to the resources of Helen Reef, want to see them protected, and see threats like illegal fishing be addressed through strong enforcement efforts. A high percentage of community members want to see more fish on the reef, have more access to Helen Reef and Tobi, and see more Tobians living there. Similar to 2009 there is still a high percentage (45%) of respondents who feel there is not enough enforcement of the rules of Helen Reef. Many suggestions that were made at the end of the survey related to enforcement and emphasized a need for more staff, equipment, safety, and overall more enforcement should be done. This also relates to the relatively high level of support for the rules of Helen Reef. Most rules were support by 80% or more of the community with the exception of harvesting 5 turtles per year and approval by the board for fishing which were both at 69% support. It is unclear specifically what people didn't approve of for these however. For example – it's unclear if the respondents who do not support the limit of harvesting of 5 turtles a year would like to see more or perhaps less? Some of the suggestions for improving management indicated stronger protections should be considered. Some of the limitations of this survey were with the capacity of the enumerators in conducting surveys. Most of them had little to no experience carrying out surveys and therefore some of the detailed information and comments were often not completed. It is through that information that further understanding of some of the responses can become clear.

There is a high level of support and approval for Helen Reef Management and many (83%) feel the program protects resources for future generations and provides opportunities for the community such as employment, funding, and training. The main area that the community seems less supportive of is their access to resources and receiving benefits from resources like sharing of fish catch. 72% want to receive more fish for their family in the future. 19% consider management measures as preventing them from earning income with another 23% thatare neutral or don't know. Additionally 43% of respondents want to see less restrictions of fishing and taking of resources in the future. While this percentage has declined by 15% since 2009, it is still a fair amount of people. These results could indicate that more discussion needs to occur to understand what specific benefits the community wants to receive such as more equitable distribution of fish, more income opportunities, more access to sustainable fishing, etc. Then to explore if there are alternate management measures that could further support these interests while maintaining the integrity of the conservation efforts. Biological monitoring would be very important to conduct to determine any changes from different management approaches.

#### **Recommendations and Conclusion**

It is clear through this assessment that there is strong support by the Tobi community for the protection of the Helen Reef resources. It is also clear that much of the community supports the existing management framework to ensure there are fish and resources for future generations. The main areas to be explored as a result of this monitoring survey is further awareness and engagement with the community to:

- e. Explain specific management activities, rules and regulations
- f. Share results of existing management efforts (changes in resources over time)
- g. Provide opportunities for engagement in management activities
- h. Discuss options for improving access and benefits from natural resources

If this information is currently shared regularly, then there may be a need to explore new venues or approaches to sharing these messages. This could include smaller focus group discussions (e.g. women's group, youth group, men's group) to allow for more detailed dialogue to share information and collect input. One other mechanism for communication would be to include rangers in community discussions to share their experience in protecting the island (e.g. what it means to them to protect Tobi, why the rules are important, etc). Completing an outreach presentation for any boat that goes to Tobi/Helen that describes the specific rules may also help to refresh people's memory at a time when they will be visiting and using the resources. Perhaps a video about Helen Reef over time could be useful? It is recommended that the results of this survey be used as a launching point to initiate this communication with the community to ensure that the support for the Helen Reef Management Project continues into the future!

In addition to comments to improve communications between management and the community, the majority of concerns about management were themed around 1) improving numbers and safety of enforcement officers, and 2) improving the board and management staff capacity. It is unclear if the numbers and safety of enforcement officers is only a perceived threat or in fact is real. An assessment of this enforcement program to understand risks and capacity to deal with them could help to better understand this issue and develop meaningful changes as needed.

Similarly, specific concerns about board membership and management staff capacity were unclear and therefore those issues should be explored further. An organizational assessment could help illuminate issues that could be addressed to improve both management effectiveness and community perceptions. This could include specific skills building approaches and/or rules for board membership.

#### **Lessons Learned**

This monitoring assessment was the first one to be completed after the baseline assessment carried out in 2009. It should be acknowledged that completing this assessment is a great achievement in itself and an indication of the on-going dedication by Helen Reef Management Project board and staff for adaptive management that provides community benefits.

The main challenge was in the limitations of capacity to complete this assessment in a very systematic and consistent approach. This was mainly due to funding restrictions and lack of experienced social scientists on the ground who could provide support. While the information collected provides excellent records of changes in knowledge, attitudes, and perceptions over time, there may have been an opportunity to more thoroughly explore the existing survey and previous results to further understand some of the results. For example,in knowing that people "would like to receive more benefits from Helen Reef resources", questions may have been developed to better understand specific types of benefits that are desired.

If possible, future-monitoring assessments should be carried out with stronger technical assistance to support survey revisions, to complete enumerator training, and support data entry and analysis. It's likely that each time monitoring occurs new enumerators will be recruited and therefore funding to conduct a short but intensive training should be sought.

#### References

Oldiais, NW. 2009. Helen Reef and Hatohobei Community: SEM-Pasifika Socioeconomic Assessment Report. Palau International Coral Reef Center.

## **Appendices**

Appendix 1: Copy of the household survey

Appendix 2: Basic statistics for ALL survey questions

## **Appendix 1 - Copy of Household Survey**

## Palau Helen Reef Community Survey January 2015

| Team#    | #:(circle):1a/1b/2a/2b/3a/3b                            | Survey #:                             | <del> </del>            |
|----------|---|---------------------------------------|-------------------------|
| Intervi  | ewer:   | Recorder:                             |                         |
| Hello,   | good (morning/afternoon/evening) my name is             | and this is /are                      | I hope you were         |
| inform   | ed about our visit to your community to do a socio      | o-economic study about Hele           | en Reef. We would like  |
| to ask   | some questions about what you think of Helen Re         | eef. This information is <b>confi</b> | dential and if you come |
| across   | any questions that you do not wish to answer, th        | en it is fine. This survey will       | take about 30 minutes   |
| to ans   | wer. Would you be willing to answer some question       | ons?                                  |                         |
| Alii, ur | ngil (tutau/odechosong/iita sils/kebesengei. Ngak       | a ngklek a e ngkal/ tirka             | el/ obengkek a          |
| Kemal    | m a ngar tia kirel a omesubel a Helen Reef (e kor       | m locha mla remenges el kire          | el). Ng somam el loker  |
| a ulde   | suem el kirel a Helen Reef, e aikal tekoi omdung        | a confidential e aleskum eng          | g morngii a diak el     |
| soam     | el longer er ngii eng kmal di ungil. Tial survey a d    | i okedei el bung. Ke kongei d         | el mo onger a ikal ker? |
|          |   |                                       |                         |
| First, I | 'm going to ask about you. Kot eak mo oker a kei        | r el kirem.                           |                         |
| 1.       | May I ask your age? Ng sebechek el loker er a           | rekim?                                |                         |
| 2.       | [Record sex] M / F                                      |                                       |                         |
| 3.       | Are you married? <i>Ke bechiil?</i> Y / NYes            | ChoiNo Diak                           |                         |
| 4.       | What is your occupation? Ngera urerem?                  |                                       |                         |
| 5.       | What are your sources of income? I will read a li       | st of income sources, please          | e say yes or no for     |
| each c   | one. <i>Ngar ngii a kuk ngodech el kerrekerngem?</i> (r | note to interviewer: this is so       | urces from interviewee  |
| only n   | ot their family)  |                                       |                         |
|          | aYour job. <i>Urelem</i>                                |                                       |                         |
|          | bFishing. <i>Ke ngar er a chei/omenged e</i>            | el omond                              |                         |
|          | cFarming. <i>Ke nga er a sers el olterau</i>            |                                       |                         |
|          | dfrom relatives overseas. <i>Nges el udo</i>            | ud el nga er a ikrel a Belau e        | el mei.                 |
|          | ehandicrafts. <i>Klalo el mekedmokl er a</i>            | chim (story board, oruikl, olb        | oiungel)                |
|          | fpension/social security                                |                                       |                         |
|          | gno income. <i>Diak a kerrekerngek</i>                  |                                       |                         |
|          | hother. <i>Nga er ngii a ngodech.</i>                   |                                       |                         |

6. What is your highest level of education <u>completed</u>? *Ngera sel kot el ngarbab el skuul el omtilobed er ngii?* (interviewer read choices and circle one)

| Less than elementary        | Elementary | High school | College |
|-----------------------------|------------|-------------|---------|
| Nga er riou er a elementary | Elementary | High school | daingak |

Next, l'Il ask about your experiences with Helen Reef and ideas for the future. Elechang eak mo oker er a klaumedengei er kau me a uldesuem el kirel a Helen Reef ma ngar medad el taem.

- 7. Did you live on Helen Reef Island or Tobi Island as a child? *Sera omkekerei el ngalek e ke kiliei er a Tobi malechub eng Helen Reef? (*ff no, skip to question 10) \_\_\_\_\_Yes \_\_\_\_ No
- 8. About how many years ago did you move away from Helen Reef Island and/or Tobi Island? *Ng locha mla mo tela el rak e ra bo lak om kiei e ra Helen Reef me a lechub eng Tobi island?* (note to recorder it is okay if they say a range like 15 20 years; just record what they say)
- 9. What was your reason for leaving Helen Reef and/or Tobi Island? I'll read a list of choices, please say <u>yes</u> or <u>no</u> for each one. *Ngera mle uchul meng mlo diak om kiei e ra Tobi/Helen Reef. Ak mo masech a bebil e ra uldasu el uchul a rechad a mellukle el mei, e ke onger el kmo choi malechub eng diak.*

| a. | Lack of school. <i>Ng diak a skuul</i>                      | Yes <i>Choi</i> | No <i>Diak</i> |
|----|---|-----------------|----------------|
| b  | Lack of medical services. Ng diak a ungil ukeruul           | Yes <i>Choi</i> | No <i>Diak</i> |
| С  | Lack of reliable transportation. Ng diak a ungil olidiuul   | Yes <i>Choi</i> | No <i>Diak</i> |
| d  | Lack of employment opportunities. Ng diak a ureor           | Yes <i>Choi</i> | No <i>Diak</i> |
| е  | Because my family was leaving. A rechad era blik a milrael. | Yes <i>Choi</i> | No <i>Diak</i> |
| f  | Other. Ngar ngii a kuk ngodech?                             |                 |                |

- 10. How many times have you visited Helen Reef Island and/or Tobi Island in the past 5 years? *Ng mla mo tela el chobo e ra Tobi malechub eng Helen Reef e ra chelsel aikal merko el cheim el rak?* (note to recorder it is okay if they say a range like 5 or 6 year; just record what they say. If answer is ZERO, skip to question 14)
- 11. Why did you visit? *Ngera uchul meke mlo e ra Helen Reef Island ma lechun eng Tobi Island.* (interviewer: do not give examples)
- 12. Did you fish while you were at Helen Reef? *Ke mla e ra chei er sera om nga e ra Helen Reef?* (make sure it's fishing at Helen Reef ONLY)

|          | Yes <i>Choi</i>            | No <i>Dia</i>               | ak                              |   |
|----------|----------------------------|-----------------------------|---------------------------------|---|
| 13.      | Did vou bring anv          | fish back to Koror from H   | elen Reef? <i>Kullab a no</i>   | gikel e ra Helen Reef el mei e r        |
|          |                            | ging fish from Helen ONL    | _                               | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 0,00.    | Yes <i>Choi</i>            | No <i>Diak</i>              | ,                               |   |
|          | 103 01101                  | 110 <i>Bia</i> K            |                                 |   |
| 14.      | Would you visit He         | elen Reef more often if the | ere were more frequen           | t or reliable transportation            |
| availa   | able? <i>Ng soam el mo</i> | o blechoel el mo e ra Hele  | en Reef alsekum eng n           | no ungil a olidiuul?                    |
|          | Yes <i>Choi</i>            | No <i>Diak</i>              | Don't know <b>Di</b>            | ak kudengei                             |
| 15.      | Would you ever lik         | e to move back to Tobi a    | nd/or Helen Reef? <i>Na</i>     | soam el lemuut el melukle el n          |
| kiei e   | ra Tobi me a lechub        |                             | •                               |   |
|          | Yes <i>Choi</i>            | _                           | Don't know <i>D</i>             | iak kudengi                             |
|          |                            |                             |                                 | <b>5</b> <u>—</u>                       |
| Next,    | I'm going to ask abo       | out what you would ideally  | / like to see happen or         | Helen Reef for the future. I'm          |
| going    | to read a list of state    | ements. Please tell me if   | you: agree, disagree, r         | neutral (meaning you neither            |
|          |                            |                             |                                 | ıldesum el kirel a Helen Reef e         |
|          |                            |                             |                                 | kmo: ke kongei, diak om kenge           |
|          |                            | b eng diak modengei.        |                                 |   |
|          | _                          |                             |                                 |   |
| 16.      | In the future, I wou       | ıld like to see:            |                                 |   |
| a.       | More fish and other        | er marine resources in He   | elen Reef. <i>Bo le betok a</i> | a ngikel ma cheled e ra Helen           |
| Reef.    |                            |                             |                                 |   |
|          | Agree. <i>Ke</i>           | Disagree. <i>Diak</i>       | Neutral.                        | Don't know.                             |
|          | kongei                     | om kengei.                  | Oumdednger                      | Diak modengei                           |
| L        |                            |                             |                                 |   |
|          |                            |                             |                                 |   |
| b.       | Mv children to hav         | e more access to visit He   | elen Reef. <i>A rengelek t</i>  | ool sebechir el ngar ngii a teche       |
|          | oldingel e ra Helen        |                             | non recon y ryengeren z         | or occominating a right a toom          |
| <u> </u> | Agree. <i>Ke</i>           | Disagree. <i>Diak</i>       | Neutral.                        | Don't know.                             |
|          | kongei                     | om kengei.                  | Oumdednger                      | Diak modengei                           |
|          | Konger                     | Om Kenger.                  | Camacanger                      | Diak moderiger                          |
|          | 1 ( ) ( )                  | Calcing and A. C. C. C. C.  | an material ne                  | on Halan Dark Was all I all             |
| C.       | Less restriction on        | tisning and taking of other | er naturai resources fro        | om Helen Reef. <i>Kosadel a lech</i>    |

Neutral.

Don't know.

a omeliul a ngikel ma cheled.

Agree. *Ke* 

Disagree. *Diak* 

| kongei | om kengei. | Oumdednger | Diak modengei |
|--------|------------|------------|---------------|
|        | 3111       |            |               |

d. More Tobians living on Helen Reef or Tobi. *Bol luut el mo obdois a rechad el kiei e ra Tobi ma Helen Reef.* 

| Agree. <i>Ke</i> | D | Disagree. <i>Diak</i> | Neutral.   | Don't know.   |
|------------------|---|-----------------------|------------|---------------|
| kongei           | o | om kengei.            | Oumdednger | Diak modengei |

e. More tourism at Helen Reef. Bol klou a klekangkodang e ra Helen Reef.

|  | Agree. <i>Ke</i> | Disagree. <i>Diak</i> | Neutral.   | Don't know.   |
|--|------------------|-----------------------|------------|---------------|
|  | kongei           | om kengei.            | Oumdednger | Diak modengei |

f. My family receives more fish and other resources from Helen Reef. *A telungalek er ngak bol sebecham el ngmai a betok a ildisel a ngikel me a cheled e ra Helen Reef.* 

| Agree. <i>Ke</i> | Disagree. <i>Diak</i> | Neutral.   | Don't know.   |
|------------------|-----------------------|------------|---------------|
| kongei           | om kengei.            | Oumdednger | Diak modengei |

17. What do you think are the main threats or problems to the environment of Helen Reef? Sel momdasu eng ngera ikel kmal uchul a telemellel a kerensel a Helen Reef? (note to interviewer: DO NOT READ ANSWERS – leave open ended. Note to recorder: fill in the following categories:)

| <br>Climate Change                   | <br>limited funding      |
|--------------------------------------|--------------------------|
| <br>natural disasters                | <br>distance from Koror  |
| <br>illegal fishing (poaching)       | <br>don't know/no answer |
| <br>overfishing by community members | <br>pollution            |
| <br>not enough enforcement           |                          |
| <br>others:                          | <br>others:              |

18. Of those that you listed, what would you say is the biggest threat or problem? *Chelsel aikal blak basech e ngera sel kot el klou a telemellel.* (list one only)

Next, we're going to ask some questions about how much you've heard about the Helen Reef management. Remember, there are no right or wrong answers here, please just answer what you think. Elechang aki mo oker el kirel a klaumedengei er kau e ra oretel a ureor e ra Helen Reef. Ng diak a ungil me a mekngit el nger me di mdung aikel nga e ra uldesuem.

| 19.   | Are you aware of the H                 | en Reef Project? <i>Ngar er ngii a klaumedengei er kau el kirel a Helen Re</i>                 | et  |
|-------|--|--|-----|
| Proje | ct?                                    |  |     |
|       | Yes <i>Choi</i>                        | No <i>Diak</i>   |     |
| 20.   | Do you know that the H                 | len Reef Project established a <u>no-take area</u> , <u>a take area</u> , and <u>enforceme</u> | ∍nt |
| progr | <u>am</u> at Helen Reef. <i>Ngar i</i> | ii a klemendengei er kau el kirel a Helen Reef Project el mla omul e ra                        |     |
| basio | el diak de nga e ra chei               | ngii, ma sebeched el nga e rachei  e ra ngii, ma ureor e ra otutel a leche                     | u/  |
| a Hel | len Reef?                              |  |     |
|       | Yes <i>Choi</i>                        | No <i>Diak</i>   |     |
| 21.   | I'm going to read a list               | activities. Please tell me whether you think these activities are allowed                      |     |

21. I'm going to read a list of activities. Please tell me whether you think these activities are allowed within the Helen Reef no take area. Please say <u>yes</u>, <u>no</u>, or <u>I don't know</u>. *Ak mo omasech aikel omeruul el sebechel ngar ngii e ra chelsel sel blul el basio er a Helen Reef. E ko nger el kmo choi, ng diak, ma lechub eng diak modengei.* 

In the no-take area... chelsel a blul el basio

|  | No take area/Blul el basio        |                   |                                 |
|--|-----------------------------------|-------------------|---------------------------------|
| Allowed Activities/Omeruul                                 | Know/Yes/ <i>Ak</i> kudengei/Choi | No<br><i>diak</i> | Don't know. <i>Diak dengeim</i> |
| Scuba diving allowed. Ngar er ngii a omelchelbakle         |                                   |                   |                                 |
| el lolab a tank.   |                                   |                   |                                 |
| Harvesting turtles allowed. <i>Ngar e ra ngii a omelai</i> |                                   |                   |                                 |
| el uel.  |                                   |                   |                                 |
| Subsistence fishing allowed. <i>Ngar e ra ngii a</i>       |                                   |                   |                                 |
| omenged e ra di mo odoim.                                  |                                   |                   |                                 |
| Taking birds eggs allowed. <i>Ngar e ra ngii a omelai</i>  |                                   |                   |                                 |
| el ngisel a suebek el charm.                               |                                   |                   |                                 |

22. Now, please tell me whether you think these activities are allowed within the Helen Reef take area.... Please say yes, no, or I don't know. Ak mo omasech a ikel omeruul el sebechel el ngar ngi er a chelsel sel diak el blul el basio er a Helen Reef. E ko nger el kmo choi, ng diak, ng diak kudengei. In the take area... diak el blul

|                            | Take area DIAK el blul basio |      |                   |  |
|----------------------------|------------------------------|------|-------------------|--|
| Allowed Activities/Omerwy  | Know/Yes/                    | No   | Don't             |  |
| Allowed Activities/Omeruul | Ak                           |      | know/ <i>Diak</i> |  |
|                            | kudengei                     | Diak | Modengei          |  |

| Scuba diving allowed. <i>Ngar e ra ngii a</i>        |  |  |
|--|--|--|
| omechelbakl el lolab a tank.                         |  |  |
| Harvesting turtles allowed. <i>Ngar e ra ngii a</i>  |  |  |
| omelai el uel.                                       |  |  |
| Commercial fishing allowed. <i>Ngar e ra ngii a</i>  |  |  |
| commercial fishing (omenged el omond).               |  |  |
| Subsistence fishing allowed. <i>Ngar e ra ngii a</i> |  |  |
| omenged el di mo odoim.                              |  |  |
| Taking bird eggs allowed. <i>Ngar e ra ngii a</i>    |  |  |
| omelai el ngisel a suebek el charm.                  |  |  |

23. Has the establishment of a no take area at Helen Reef led to... *Tial blul ra Helen Reef ng uchul meng mla mo:* 

| More fish and other marine resources. Betok a ngikel ma ea          |
|---|
| cheled.   |
| Less fish and other marine resources. <i>Mekesai a ngikel ma ea</i> |
| cheled.   |
| No change. <i>Diak a mo mengodech</i>                               |
| Don't know. <i>Ng diak kudengei.</i>                                |

24. How do you feel about the enforcement of the rules at Helen Reef? *Ng ua ngera uldesuem el kirel a klekerngel me a llechul a Helen Reef.* 

| Too much enforcement. Ng kuk kmal mesisiich.            |
|---|
| Not enough enforcement. Diak el sal mesisiich.          |
| Right amount of enforcement. <i>Ungil a klisiechel.</i> |
| Don't know. <i>Diak kudengei.</i>                       |

Thanks, we're almost done! Finally, I'm going to ask some questions on what you think about management of Helen Reef. *Sulang, me moutekangel a kede muchu merek. Elechang eak mo oker el kirel a oretel a Helen Reef.* 

25. What are your thoughts on each rules and regulations of Helen Reef? I'm going to read you each rule and regulation and you will tell me if you support it. *Ak kmo masech a bebil er a llechul a Helen Reef e kouchais a uldesuem el kirel aikal llach. Ng soam, ng chetim, kou mededenger, ng diak mo dengei. E alsekum eng chetim eng ngera uchul?* 

| Dulas/regulations | Support     | Don't   | Neutral     | Don't | If don't |
|-------------------|-------------|---------|-------------|-------|----------|
| Rules/regulations | . <i>Ng</i> | Support | . <i>Ou</i> | know. | support  |

| ei. other comment; Al chetim e ngera uchul?  No commercial fishing. Ng dlak a omenged el omond  Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngli a belsel a telemellel a llach  No take area where no fishing is allowed. Ng dlak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen |                                    | soam | . Ng<br>chetim | meded<br>enger | Ng diak<br>modeng | why not?<br>Write |
|---|------------------------------------|------|----------------|----------------|-------------------|-------------------|
| No commercial fishing. Ng diak a omenged el omond Limited to take of five turtles per year. Ng di kleim el uel a ngeluul er a chelsel a ta el rak Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio. No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel. Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengel er ngii ra a Helen   |                                    |      | Cricum         | enger          |                   |                   |
| No commercial fishing. Ng diak a omenged el omond Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio. No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel. Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   |                                    |      |                |                | CI.               |                   |
| e ngera uchul?  No commercial fishing. Ng diak a omenged el omond Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngil a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngil ra a Helen                               |                                    |      |                |                |                   |                   |
| No commercial fishing. Ng diak a omenged el omond Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  |                                    |      |                |                |                   |                   |
| No commercial fishing. Ng diak a omenged el omond Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngli a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngli ra a Helen   |                                    |      |                |                |                   | _                 |
| diak a omenged el omond  Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngli a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | No commercial fishing Na           |      |                |                |                   | uchur:            |
| Limited to take of five turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   |                                    |      |                |                |                   |                   |
| turtles per year. Ng di kleim el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   |                                    |      |                |                |                   |                   |
| el uel a ngeiuul er a chelsel a ta el rak  Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   |                                    |      |                |                |                   |                   |
| a ta el rak  Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   |                                    |      |                |                |                   |                   |
| Penalty of monetary fine for violation. Ngar ngii a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  |                                    |      |                |                |                   |                   |
| for violation. Ngar ngii a belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   |                                    |      |                |                |                   |                   |
| belsel a telemellel a llach  No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | Penalty of monetary fine           |      |                |                |                   |                   |
| No take area where no fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | for violation. <i>Ngar ngii a</i>  |      |                |                |                   |                   |
| fishing is allowed. Ng diak omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | belsel a telemellel a llach        |      |                |                |                   |                   |
| omenged er sel blul malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | No take area where no              |      |                |                |                   |                   |
| malechub eng chelsimer el basio.  No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | fishing is allowed. Ng diak        |      |                |                |                   |                   |
| No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | omenged er sel blul                |      |                |                |                   |                   |
| No net fishing except cast nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | malechub eng chelsimer el          |      |                |                |                   |                   |
| nets allowed. A rokui el omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | basio.                             |      |                |                |                   |                   |
| omenged el ousebech a uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | No net fishing except cast         |      |                |                |                   |                   |
| uuked a mekull eng di tal omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | nets allowed. <i>A rokui el</i>    |      |                |                |                   |                   |
| omuked el (UH) or bideklii (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | omenged el ousebech a              |      |                |                |                   |                   |
| (throw nets) a sebechel.  Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | uuked a mekull eng di tal          |      |                |                |                   |                   |
| Fishing activities must be approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | omuked el (UH) or bideklii         |      |                |                |                   |                   |
| approved by Helen Reef Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen   | (throw nets) a sebechel.           |      |                |                |                   |                   |
| Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | Fishing activities must be         |      |                |                |                   |                   |
| Board. A usbechel a uldelid el teletael er a omenged er a irechar a mengai a kengei er ngii ra a Helen  | approved by Helen Reef             |      |                |                |                   |                   |
| a irechar a mengai a<br>kengei er ngii ra a Helen   | Board. <i>A usbechel a uldelid</i> |      |                |                |                   |                   |
| a irechar a mengai a<br>kengei er ngii ra a Helen   | el teletael er a omenged er        |      |                |                |                   |                   |
| kengei er ngii ra a Helen   |                                    |      |                |                |                   |                   |
|   |                                    |      |                |                |                   |                   |
|   | Reef Management Board.             |      |                |                |                   |                   |

26. I am going to read a list of statements about your feelings on the Management of Helen Reef. Please tell me whether you agree, disagree, are neutral, or don't know. Ak mo omasech a bebil e ra uldasu el kirel a orretel ma okedmeklel a Helen Reef, e ke onger el kmo ke kongei, ng diak om kengei, ke ou mededenger, ma lechub eng diak modengei. I support the work being done by the Helen Reef Project. Ak oldubech a ureor el mengereomel e ra a. Helen Reef.

| Agree. <i>Ke</i> | Disagree. | Neutral.    | Don't know. |
|------------------|-----------|-------------|-------------|
| kongei           | Diak om   | Oumedednger | Diak        |
|                  | kengei    |             | modengei.   |

My family receives benefits from the resources of Helen Reef like sharing in catch of fish and turtles b. from Helen Reef? A ngikel el mengai e ra Helen Reef, a murrous el mo e ra kau ma telungalek er kau?

| Agree. <i>Ke</i> | Disagree. | Neutral.    | Don't know. |
|------------------|-----------|-------------|-------------|
| kongei           | Diak om   | Oumedednger | Diak        |
|                  | kengei    |             | modengei.   |

The Helen Reef Project protects our heritage and identity as Tobians. A Helen Reef Project a C. smisichii sel uldelid el dikesed e ra irechar el mei.

| Agree. <i>Ke</i> | Dis | sagree. | Neutral.    | Don't know. |
|------------------|-----|---------|-------------|-------------|
| kongei           | Di  | iak om  | Oumedednger | Diak        |
|                  | ke  | engei   |             | modengei.   |

d. The Helen Reef Project provides opportunities like employment, funding, training. A Helen Reef Project a uchul meng sebechel melemolem el kerreomel a debel ma aikel rokui el ngar ngii e ra chelsel.

|  | Agree. <i>Ke</i> | Disagree. | Neutral.    | Don't know. |
|--|------------------|-----------|-------------|-------------|
|  | kongei           | Diak om   | Oumedednger | Diak        |
|  |                  | kengei    |             | modengei.   |

The Helen Reef Project does not give us enough access to our resources. A Helen Reef Project a olngeasek a techellel a ulsebechellel tial iungs.

|  | Agree. <i>Ke</i> | Disagree. | Neutral.    | Don't know. |
|--|------------------|-----------|-------------|-------------|
|  | kongei           | Diak om   | Oumedednger | Diak        |
|  |                  | kengei    |             | modengei.   |

f. The current Helen Reef Project management board is doing a good job. Sel chelchad e ra Helen Reef Project management board a ungil el oureor.

| Agree. <i>Ke</i> | Disagree. | Neutral.    | Don't know. |
|------------------|-----------|-------------|-------------|
| kongei           | Diak om   | Oumedednger | Diak        |

| he Helen Reef Project takes away our rights to live off the land. A Helen Reef and klisicham el kiei e ousbech a klungiolel tial iungs.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The St few questions  The Reef Project? Ng ngar ngii a oderngesem ma klemedengei e ra kau el kirel a cation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Helen Yes Choi No Diak  The Modengei at the transport of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebil de konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Yes No  | Γ                                     |  |  |  |  |  |
|--|---------------------------------------|--|--|--|--|--|
| a osisebel a udoud.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The Helen Reef Project takes away our rights to live off the land. A Helen Reef of ma klisicham el kiei e ousbech a klungiolel tial iungs.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project a kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project a kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project a kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project a kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project a kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project a kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project kengei  The Helen Reef Project protects our resources for the future. A Helen Reef Project in the modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project in the future. A Helen Reef Project in the modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project? I will reproduce a kengei.  The Helen Reef Project? I will reproduce a kenger election and the modengei.  The Helen Reef Project? Elechang ak mo masech a bebit a kenger election malechub eng diak.  The Meetings and discussions. Ongdibel ma omesodel a HR Project Pr |                                       |  | kengei   |  | modengei.  |  |
| Agree. Ke  | •                                     |  |  | om earning income. A F   | Helen Reef Pro   | pject a m  |
| he Helen Reef Project takes away our rights to live off the land. A Helen Reef and klisicham el kiei e ousbech a klungiolel tial iungs.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  The Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke Disagree. Neutral. Don't know. Diak modengei.  St few questions lave you heard of the Community Conservation Agreement, which may provide a project? Ng ngar ngil a odemgesem ma klemedengei e ra kau el kirel a lation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Helen Yes Choi No Diak low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngil a techellem el teloi en ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebil el konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Yes No Project  | _                                     | Agree. <i>Ke</i>   |  | Neutral.   | Don't know.  |  |
| he Helen Reef Project takes away our rights to live off the land. A Helen Reef in ma klisicham el kiei e ousbech a klungiolel tial iungs.  Agree. Ke kongei  Disagree. Diak om kengei  Diak modengei.  Don't know. Diak modengei.  Don't know. Diak modengei.  Don't know. Diak modengei.  St few questions  Lave you heard of the Community Conservation Agreement, which may provide in Reef Project? Ng ngar ngli a oderngesem ma klemedengei e ra kau el kirel a lation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Hele.  Yes Choi  No Diak low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngli a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebil el konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Project  Neutral. Don't know. Diak modengei.  |                                       |  |  | Oumedednaer  | Diak   |  |
| Agree. Ke   Disagree.   Neutral.   Don't know.   | _                                     |  | kengei   |  | modengei.  |  |
| he Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke  Disagree.  Diak om  Diak om  Diak om  Diak om  Neutral.  Don't know.  Diak  Mengei  Diak om  Neutral.  Don't know.  Diak  Medingei  Diak  Modengei.  Don't know.  Diak  Modengei.  Don't know.  Diak  Modengei.  Diak  Modengei.  Don't know.  Diak  Modengei.  Don't know.  Diak  Modengei.  Don't know.  Diak  Modengei.  Don't know.  Diak  Medetings and discussions.  Don't know.  Diak  Medetings and discussions.  Don't know.  Diak  Medetings and discussions.  Oumedednger  Don't know.  Diak  Medetings and discussions.  Don't know.  Diak  Medetings and discussions.  Oumedednger  Don't know.  Diak  Medetings and discussions.  Don't know.  Diak  Medetings and discussions.  Oumedednger  Don't know.  Diak  Medetings and discussions.  Ongdibel ma omesodel a HR  No  Choi  Dia  |                                       | eltam ma klisicham el  | ' kiei e ousbech a klu   | ungiolel tial iungs.   |  |  |
| he Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke Disagree. Disagree. Diak on Neutral. Don't know. Noumedednger Diak modengei.  Set few questions Dave you heard of the Community Conservation Agreement, which may provide a set of the Project? Ng ngar ngii a oderngesem ma klemedengei e ra kau el kirel a set of the Sebechel el mou uchul a ngesu e ra udoud el mei e ra Hele Yes Choi Diak  No Diak  No Diak  No Wave you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit el konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Project  No Diak  Choi Dia   |                                       |  |  |  |  | •  |
| he Helen Reef Project protects our resources for the future. A Helen Reef Project a chutem me a debel a Helen Reef.  Agree. Ke Disagree. Neutral. Don't know.  Kongei Diak om Oumedednger Diak modengei.  St few questions  Lave you heard of the Community Conservation Agreement, which may provide a taken Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Helen Yes Choi No Diak  Town No Diak  Town No Diak  Town No Diak No Di    |                                       | Konger   |  | Cameacanger  |  |  |
| Act few questions  In Reef Project? Ng ngar ngii a oderngesem ma klemedengei e ra kau el kirel a sation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Heila yes Choi  In No Diak  In No Di    |                                       | The Helen Reef P   | roject protects our re   | esources for the future.   | A Helen Reef I   | Project a  |
| kengei  st few questions  lave you heard of the Community Conservation Agreement, which may provide a Reef Project? Ng ngar ngii a oderngesem ma klemedengei e ra kau el kirel a sation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Heila yes Choi  No Diak  low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR  Yes No Project  |                                       | geluolu a chutem me  | a debel a Helen Re   | eef.   |  |  |
| lave you heard of the Community Conservation Agreement, which may provide a Reef Project? Ng ngar ngii a oderngesem ma klemedengei e ra kau el kirel a lation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Heilage Yes Choi No Diak low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi en ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Yes No Project  |                                       | Agree. <i>Ke</i>   | Disagree.  | Neutral.   | Don't know.  |  |
| Reef Project? Ng ngar ngii a oderngesem ma klemedengei e ra kau el kirel a ation Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Hele Yes Choi No Diak low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Yes No Project   |                                       | geluolu a chutem me  | Disagree.  Diak om   | Neutral.   | Don't know.  |  |
| Agreement, el sebechel el mou uchul a ngesu e ra udoud el mei e ra Hele  Yes Choi  No Diak  low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR  Yes No Project  Choi  Dia   |                                       | Agree. <i>Ke</i>   | Disagree.  Diak om  kengei   | Neutral.   | Don't know.  |  |
| Yes Choi No Diak  low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR Yes No Project Choi Dia  |                                       | Agree. <i>Ke kongei</i> y, last few questions.   | Disagree.  Diak om  kengei   | Neutral.  Oumedednger  | Don't know.  Diak  modengei.   |  |
| low have you been involved in the management of Helen Reef Project? I will re you can tell me yes or no for each one. <i>Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.</i> Meetings and discussions. <i>Ongdibel ma omesodel a HR</i> Yes  No Project   | 1)                                    | Agree. <i>Ke kongei</i> y, last few questions.  Have you heard of  | Disagree.  Diak om  kengei  f the Community Community Community  | Neutral.  Oumedednger  nservation Agreement, v   | Don't know.  Diak  modengei.  which may prov   | vide sor   |
| you can tell me yes or no for each one. <i>Ng mla ngar ngii a techellem el teloi e ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebit e konger el choi malechub eng diak.</i> Meetings and discussions. <i>Ongdibel ma omesodel a HR</i> Yes  No <i>Project</i> Choi  Dia  | <u>`</u>                              | Agree. Ke kongei  y, last few questions. Have you heard of the delen Reef Project? Its servation Agreement,  | Disagree.  Diak om  kengei  The Community Comm | Neutral. Oumedednger  nservation Agreement, valued angesu e ra udo   | Don't know.  Diak  modengei.  which may provi  | vide sol   |
| ng okedmeklel a urerel a Helen Reef Project? Elechang ak mo masech a bebi<br>e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR  Project  Choi  Dia  |                                       | Agree. Ke  kongei  y, last few questions.  Have you heard of the deservation Agreement,  Yes Choi  | Disagree.  Diak om kengei  the Community Com Ng ngar ngii a oderng el sebechel el mou No L   | Neutral.  Oumedednger  nservation Agreement, valuement and servation and | Don't know.  Diak  modengei.  which may provieu e ra kau el kinud el mei e ra  | vide sol   |
| e konger el choi malechub eng diak.  Meetings and discussions. Ongdibel ma omesodel a HR  Project  Choi  Dia   |                                       | Agree. Ke  kongei  y, last few questions.  Have you heard of the deservation Agreement,  Yes Choi  How have you been   | Disagree.  Diak om kengei  The Community Com Ng ngar ngii a oderng Lel sebechel el mou Len involved in the ma  | Neutral.  Oumedednger  Inservation Agreement, vingesem ma klemedenger  uchul a ngesu e ra udo  Diak  anagement of Helen Re   | Don't know.  Diak  modengei.  which may provi i e ra kau el kin ud el mei e ra   | vide sor<br>irel a Co<br>Helen F                           |
| Meetings and discussions. <i>Ongdibel ma omesodel a HR</i> Yes  No  Project  Choi  Dia   |                                       | Agree. Ke kongei  Agree Valuestions. Have you heard of the servation Agreement, Yes Choi How have you been the sees, you can tell me yet.  | Disagree.  Diak om  kengei  The Community Con  Ng ngar ngii a odern  el sebechel el mou  No Len involved in the may  ves or no for each or   | Neutral.  Oumedednger  Inservation Agreement, vingesem ma klemedenger  Fuchul a ngesu e ra udo  Diak  Tanagement of Helen Reine. Ng mla ngar ngii a te   | Don't know.  Diak  modengei.  which may provi i e ra kau el kin  ud el mei e ra  ef Project? I we echellem el telo                 | vide sor<br>rel a Co<br>Helen F<br>vill read               |
| Project Choi Dia   |                                       | Agree. Ke kongei  Y, last few questions. Have you heard of the len Reef Project? If servation Agreement, Yes Choi How have you been the length of the length | Disagree.  Diak om  kengei  The Community Con  Ng ngar ngii a oderng  el sebechel el mou  No Len involved in the man  ves or no for each or  urerel a Helen Reef   | Neutral.  Oumedednger  Inservation Agreement, vingesem ma klemedenger  Fuchul a ngesu e ra udo  Diak  Tanagement of Helen Reine. Ng mla ngar ngii a te   | Don't know.  Diak  modengei.  which may provi i e ra kau el kin  ud el mei e ra  ef Project? I we echellem el telo                 | vide sor<br>rel a Co<br>Helen F<br>vill read               |
|  |                                       | Agree. Ke kongei  Agree. Ke kongei  A last few questions. Have you heard of the servation Agreement, Yes Choi How have you been the seen, you can tell me you be not seen of the seen of t | Disagree.  Diak om  kengei  The Community Con  Ng ngar ngii a oderng  el sebechel el mou  nen involved in the ma  ves or no for each or  urerel a Helen Reet  malechub eng diak.   | Neutral.  Oumedednger  Inservation Agreement, variety of the servation and servation a | Don't know.  Diak  modengei.  which may provide ra kau el kinud el mei e ra la del mei e ra la dechellem el tela no masech a bi    | vide sor<br>rel a Col<br>Helen F                           |
| The state of the s | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Agree. Ke kongei  Y, last few questions. Have you heard of the len Reef Project? If servation Agreement, Yes Choi How have you been the leng of the le | Disagree.  Diak om  kengei  The Community Con  Ng ngar ngii a oderng  el sebechel el mou  nen involved in the ma  ves or no for each or  urerel a Helen Reet  malechub eng diak.   | Neutral.  Oumedednger  Inservation Agreement, variety of the servation and servation a | Don't know.  Diak  modengei.  which may provi i e ra kau el kin ud el mei e ra ef Project? I w echellem el telo no masech a b  Yes | vide sor<br>rel a Con<br>Helen F<br>vill read<br>oi e ra o |

Olngeseu a urerel a omsesubel tia el basio.

Choi

Diak

| C. | Workshop and/or trainings. <i>Omesuub ma osischakl e ra</i>       | Yes  | No   |
|----|---|------|------|
|    | urerel tia el basio   | Choi | Diak |
| d. | Board members, project staff, etc. <i>Chedal tial el chelchad</i> | Yes  | No   |
|    |   | Choi | Diak |
| e. | Have not been involved. Ng diak chelsechusem er tial ureor.       | Yes  | No   |
|    |   | Choi | Diak |

| 29.     | Would you be interested in being more involved in the management of Helen Reef? <i>Ngar ngii a</i>   |
|---------|--|
| kleme   | ar reng er kau el olngeseu e oldubech a urerel a Helen Reef Project?   |
|         | Yes <i>Choi</i> No <i>Diak</i>   |
| 30.     | Do you have any suggestions to improve the management of the HR Project? <i>Ngar ngii a di</i>   |
| ngode   | h el uldesuem el sebechel el mo ngosukemam el smisichii a okedmeklel ma orretel a HR Project?  |
| Thank   | ou for your time and helpful information. The results of this study will be shared with the community  |
| within  | ne next two months by the Helen Reef Project. Sulang er a temem ma uldesuem. A Helen Reef  |
| Projec  | a mo oltobed a kekka er tial omesuub e mo sebechemiu el mes ra chelsel a cheruel buil.   |
|         |  |
| a few i | e completed the questions for the Helen Reef Resource Management Program. I'm going to ask you just ore questions for HWA, HSYO, HOPE, and OneReef and should take less than 5 minutes. Again I want to ize that your responses will be confidential and is intended to help each organization understand what doing well and what they need to improve. |
|         | urvey questions for HWA, HSYO, HOPE and OneReef, Jan. 2015   |
| For H   | VA:  |
| 1.      | Do you know about the Hatohobei Women's Association? (Yes / No)  |
| 2.      | What can you say are top three successes or achievements that you like about HWA?  |
|         | a.   |
|         | b.   |
|         | C.   |
| 3.      | What can you say are top 3 challenges of the HWA that should be improved?  |
|         | a.   |
|         | b.   |

C.

| 4.    | On a scale of 1 to 10, 1 being poor or really bad and 10 being excellent or doing a super |
|-------|---|
|       | great job, how would you Rate the HWA? 1 2 3 4 5 6 7 8 9 10 (if 4 and below why negative  |
|       | ranking, if 5 why neutral, if 6 to 10 why positive?)                                      |
|       | Why?  |
| Now o | questions regarding HSYO:   |
| 1.    | Do you know about the Hatohobei State Youth Organization? (Yes / No)                      |
| 2.    | What can you say are top three successes or achievements that you like about HSYO?        |
|       | a.  |
|       | b.  |
|       | C.  |
| 3.    | What can you say are top 3 challenges of the HSYO that should be improved?                |
|       | a.  |
|       | b.  |
|       | C.  |
| 4.    | On a scale of 1 to 10, 1 being poor or really bad and 10 being excellent or doing a super |
|       | great job, how would you Rate the HSYO? 1 2 3 4 5 6 7 8 9 10 (if 4 and below why          |
|       | negative ranking, if 5 why neutral, if 6 to 10 why positive?)                             |
|       | Why?  |
| Now o | questions regarding HOPE:   |
| 1.    | Do you know about the Hatohobei Organization for People and Environment? (Yes / No)       |
| 2.    | What can you say are top three success or achievements that you like about HOPE?          |
|       | a.  |
|       | b.  |
|       | C.  |
| 3.    | What can you say are top 3 challenges of HOPE that should be improved?                    |
|       | a.  |
|       | b.  |
|       | C.  |
| 4.    | On a scale of 1 to 10, 1 being poor or really bad and 10 being excellent or doing a super |
|       | great job, how would you Rate the HOPE? 1 2 3 4 5 6 7 8 9 10 (if 4 and below why          |
|       | negative ranking, if 5 why neutral, if 6 to 10 why positive?)                             |

## Why?

## Lastly questions regarding OneReef:

- 1. Do you know about OneReef and what it does? (Yes / No)
- 2. What can you say are top three successes or achievements that you like about OneReef?
  - a.
  - b.
  - C.
- 3. What can you say are top 3 challenges OneReef should improve?
  - a.
  - b.
  - C.
- 4. On a scale of 1 to 10, 1 being poor or really bad and 10 being excellent or doing a super great job, how would you Rate the OneReef? 1 2 3 4 5 6 7 8 9 10 (if 4 and below why negative ranking, if 5 why neutral, if 6 to 10 why positive?)

  Why?
- 5. Now that Helen Reef Project is nearing the end of the trial agreement with OneReef,
  OneReef plans to work with the people and Government of Hatohobei to secure a 20 year
  Marine Conservation Agreement, Do you support OneReef to continue to work with the
  Hatohobei State and its people to sign a 20 year agreement? (Yes / No) Why?

## **Appendix 2 - Basic Statistics for All Survey Questions**

## <u>Appendix3:Basicstatisticsforallsurveyquestions</u>

## 1. Maylaskyourage?/<u>Ngsebechekellokererarekim</u>

## AVERAGEAGE=42YEARSOLD

| 18-25     | 12% |
|-----------|-----|
|           |     |
| 26-35     | 31% |
|           |     |
| 36-45     | 18% |
|           |     |
| 46-55     | 16% |
|           |     |
| 56-65     | 14% |
|           |     |
| 66 and up | 7%  |
| blank     | 3%  |

2. Sex

50% male 49% female 1% blank

## 3. Areyoumarried?/Kebechiil?

50% no 50% yes

## 4. Whatisyouroccupation?/Ngeraurerem?

| other                  | 23% |
|------------------------|-----|
| retired                | 14% |
| conservation           | 10% |
| unemployed             | 8%  |
| tourism                | 8%  |
| blank                  | 7%  |
| state government       | 6%  |
| national government    | 4%  |
| administration/finance | 4%  |
| housewife              | 4%  |
| education              | 3%  |
| student                | 3%  |

| retail        | 2%   |
|---------------|------|
| food services | 2%   |
| security      | 1%   |
| Total         | 100% |

5. Whatare **your** sources of income? I will read a list of incomes our ces, pleases a yyes or no for each one. / <u>Ngarngiiakukngodechelkerrekerngem?</u> (interviewee only not their family)

| Income Sources   | % Respondents |
|--|---------------|
| your job   | 63%           |
| pension  | 23%           |
| other  | 13%           |
| fishing  | 11%           |
| relatives  | 9%            |
| handicraft   | 7%            |
| no income  | 7%            |
| farming  | 4%            |
| Other includes: GI Bill, boyfriend, selling of fruit bat, and researcher |               |

 $6. \ What is your highest level of education completed? / \underline{Ngeraselkotelngarbabelskuulelom til obederngii?}$ 

| less than   | 4%  |
|-------------|-----|
| elementary  |     |
| elementary  | 26% |
| high school | 37% |
| college     | 31% |
| blank       | 1%  |

7. DidyouliveinHelenReefIslandorTobiIslandasachild<u>?/SeraomkekereielngalekekemlekieieraTobimalechubengHelenReef?</u>(*ifno*,*skiptoquestion10*)

31%no 68%yes

8. AbouthowmanyyearsagodidyoumoveawayfromHelenReefIslandand/orTobiIsland?/<u>Nglochamla motelalrakrabolakkomkieieraHelenReefmealechubengTobiisland?</u>

| YearssincemovedawayfromHelenReeforTobi         | %ofrespondents |
|--|----------------|
| 0-10years                                      | 26%            |
| 11-20years                                     | 23%            |
| 21-30years                                     | 12%            |
| 31-40years                                     | 3%             |
| 41-50years                                     | 4%             |
| 51-60years                                     | 1%             |
| noanswer(becausedidnotliveinHelenorTobibefore) | 28%            |

9. WhatwasyourreasonforleavingHelenReefand/orTobiIsland?I'llreadalistofchoices,pleasesayyesornoforeac hone/NgeramleuchulmengmlodiakomkieieraTobi/HelenReef.Akmomasecha bebilerauldasueluchularechadamelluklelmei,ekeongerelkmochoimalechubengdiak.

| ReasonformovingawayfromHelenReeforTobi                      | No  | Yes | Didnotanswer(bcdidnotliv |
|---|-----|-----|--------------------------|
|   |     |     | einHRorTobibefore)       |
| Lackofschools   | 36% | 32% | 31%                      |
| Lackofmedicalservices                                       | 36% | 31% | 33%                      |
| Lackofreliabletransportation                                | 40% | 27% | 33%                      |
| Lackofemploymentopportunities                               | 45% | 22% | 33%                      |
| Becausemyfamilywasleaving                                   | 35% | 31% | 34%                      |
| Other*  |     |     |                          |
| *Otherincludes:go to school abroad, wanted to stay in Palau |     |     |                          |

10. HowmanytimeshaveyouvisitedHelenReefIslandand/orTobiIslandinthepast5years?/<u>NgmlamotelachoboeraTobimalechubengHelenReeferachelselaikalmerkoelcheimelrak?</u>*IfanswerisZERO*,*skiptoquestion14*)

| TimesvisitedHelenReeforTobiinthepast5years | %ofrespondents |
|--|----------------|
| 0  | 20%            |
| 1-5  | 46%            |
| 6-10                                       | 12%            |
| 11-15                                      | 3%             |
| 16-20                                      | 2%             |
| 21ormore                                   | 2%             |
| Blank                                      | 15%            |

11. Whydidyouvisit?/NgerauchulmekemloerHelenReefIslandand/orTobiIsland.

| D 6 17 17                 | Percentage of |
|---------------------------|---------------|
| Reasons for Visiting      | Respondents   |
| summer camp               | 5%            |
| school trip               | 1%            |
| work related              | 16%           |
| vacation/ recreation      | 21%           |
| missed island/ from there | 1%            |
| family                    | 2%            |
| just visit                | 10%           |
| opportunity came up       | 1%            |
| other                     | 14%           |
| no answer                 | 1%            |
| check on land/ survey     |               |
| own property              | 8%            |
| monitoring for helen reef | 3%            |
| Blank/ no answer          | 36%           |

12. DidyoufishwhileyouwereHelenReef?/KemlaeracheierseraomngaeraHelenReef?

YesChoi39% NoDiak28% Don'tknowDiakkudengei33%

13. Did you bring any fish back to Koror from Helen Reef? KulabangikeleraHelenReefelmeieraOreor

YesChoi17% NoDiak49% Don'tknowDiakkudengei33%

14. Would you visit Helen Reef more often if there were more frequent or reliable transportation available? / Ng

soam el mo blechoel el mo er a Helen Reef alsekum eng mo ungil a olidiuul?

YesChoi90% NoDiak8% Don'tknowDiakkudengei0%

## 15. WouldyoueverliketomovebacktoTobiand/orHelenReef?/<u>NgsoamellemuutelmeluklelmokieieraTobimealechubengHelenReef.</u>

YesChoi85% NoDiak 10% Don'tknowDiakkudengei1%

### 16. Inthefuture, I would like to see:

a. MorefishandothermarineresourcesinHelenReef./BolebetokangikelmachelederaHelenReef.

| Agree/Kekongei                 | 92% |
|--------------------------------|-----|
| Disagree/ <u>Diakkomkengei</u> | 5%  |
| Neutral/ <u>Oumdednger</u>     | 1%  |
| Don'tknow/Diakmodengei         | 2%  |

# $b. \quad Mychildren to have more access to visit Helen Reef. / \underline{Arengelek bolse bechire lingar ngii atechelli relmoolding elera Helen Reef. }$

| Agree/Kekongei                 | 93% |
|--------------------------------|-----|
| Disagree/ <u>Diakkomkengei</u> | 3%  |
| Neutral/ <u>Oumdednger</u>     | 2%  |
| Don'tknow/Diakmodengei         | 0%  |

## $c. \quad Less restrictions on fishing and taking of other natural resources from Helen Reef. / \underline{Kossadela lechula omeliul} \\ angikelmacheled$

| Agree/Kekongei                 | 43% |
|--------------------------------|-----|
| Disagree/ <u>Diakkomkengei</u> | 46% |
| Neutral/Oumdednger             | 7%  |
| Don'tknow/ <u>Diakmodengei</u> | 3%  |

## $d. \quad More Tobians living on Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobi. / \underline{Bolluutel moobdois arechadel kieier a Tobima Helen Ree for Tobima Hel$

| Agree/Kekongei                 | 93% |
|--------------------------------|-----|
| Disagree/ <u>Diakkomkengei</u> | 3%  |
| Neutral/ <u>Oumdednger</u>     | 3%  |
| Don'tknow/Diakmodengei         | 1%  |

## $e. \quad Moretour is mat Helen Reef/\underline{Bolk louak lekangkod angera Helen Reef}$

| Agree/Kekongei         | 73% |
|------------------------|-----|
| Disagree/Diakkomkengei | 10% |

| Neutral/ <u>Oumdednger</u> | 10% |
|----------------------------|-----|
| Don'tknow/Diakmodengei     | 6%  |

 $f. \quad My family receive more fish and other resources from Helen Reef. / \underline{Atelungalekerngak bolse bechelelng maiabetok} \\ \underline{aid is elngikelmeacheleder a Helen Reef.}$ 

| Agree/Kekongei                 | 72% |
|--------------------------------|-----|
| Disagree/ <u>Diakkomkengei</u> | 19% |
| Neutral/ <u>Oumdednger</u>     | 6%  |
| Don'tknow/Diakmodengei         | 3%  |

 $17. What doyout hink are the main threats or problems to the environment of Helen Reef? / \underline{Selmom dasu}$ 

| THREATS                                   | %ofrespondentscomingupwiththisresponse |
|---|--|
| climatechange                             | 58%                                    |
| naturaldisasters                          | 31%                                    |
| illegalfishing(poaching)                  | 64%                                    |
| overfishingbycommunitymembers             | 18%                                    |
| notenoughenforcement                      | 19%                                    |
| limitedfunding                            | 10%                                    |
| distancefromKoror                         | 16%                                    |
| don'tknow/noanswer                        | 5%                                     |
| pollution                                 | 14%                                    |
| Others*                                   |  |
| *includingpeople of Tobi, fires, erosion, | coral bleaching, cutting of grass      |

18. Ofthosethatyoulisted, what would you say is the biggest threat or problem? <u>/ Chelselaikal blabaseche ngeraselkotelklouatelemellel.</u> (*listoneonly*)

| biggestthreat  | %ofrespondents |  |
|--|----------------|--|
| illegalfishing,poaching,andcommercialfishing   | 29%            |  |
| climatechange  | 32%            |  |
| overfishing  | 3%             |  |
| Natural disasters  | 8%             |  |
| others   | 9%             |  |
| Othersinclude: people of Tobi, fires, erosion, cutting of grass, Helen Reef management |                |  |

19. AreyouawareoftheHelenReefProject?/NgarerngiiaklaumedengeierkauelkirelaHelenReefProject?

YesChoi:85% NoDiak:15% Noanswer:0%

20. DoyouknowthattheHelenReefProjectestablishedano-

takearea,atakearea,andenforcementprogramatHelenReef?/<u>NgarngiiaklemendengeierkauelkirelaHelenReefProjectelmlaomulerabasioeldiakdengaeracheierngii,makukdengaeracheierngii,maotutelalechul?</u>

YesChoi:87% NoDiak:12% Noanswer:1%

21.

I'mgoingtoreadalistofactivities.Pleasetellmewhetheryouthinktheseactivitiesareallowedwithint heHelenReef*notakearea*.Pleasesayyes,no,orIdon'tknow:/<u>Akmomasechaikelomeruulelsebechel ngarngiierachelselselblulelbasioeraHelenReef.Ekongerelkmochoi,ngdiak,ngdiakkudengei</u>

#### Intheno-takearea...

| mmeno-takearea  |     |     |       |
|---|-----|-----|-------|
| AllowedActivities/Omeruul                                     |     |     | Don't |
|   | No  | Yes | know  |
| Scubadivingallowed/Ngarerngiiaomechelbaklellolabatank         |     |     |       |
|   | 40% | 43% | 15%   |
| Harvestingturtlesallowed/Ngarerngiiaomelaieluel               | 82% | 8%  | 8%    |
| Subsistencefishingallowed/Ngarerngiiaomengederadimoodoim      |     |     |       |
|   | 74% | 14% | 11%   |
| Takingbirdeggsallowed/Ngarerngiiaomelaielngiselasuebekelcharm |     |     |       |
|   | 75% | 13% | 11%   |

22. Now,pleasetellmewhetheryouthinktheseactivitiesareallowedwithintheHelenReef*takearea*.Pleasesayyes,no, orIdon'tknow:/<u>AkmomasechaikelomeruulelsebechelelngarngiierachelselseldiakelblulelbasioeraHelenReef.</u>
<u>Ekongerelkmochoi,ngdiak,ngdiakkudengei</u>

#### Inthetakearea...

| AllowedActivities/Omeruul                                     |     |     | Don't |
|---|-----|-----|-------|
|   | No  | Yes | know  |
| Scubadivingallowed/Ngarerngiiaomechelbaklellolabatank         |     |     |       |
|   | 13% | 80% | 7%    |
| Harvestingturtlesallowed/Ngarerngiiaomelaieluel               | 13% | 82% | 4%    |
| Commercialfishingallowed/Ngarerngiiacommercialfishing         | 46% | 25% | 15%   |
| Subsistencefishingallowed/Ngarerngiiaomengederadimoodoim      |     |     |       |
|   | 6%  | 87% | 6%    |
| Takingbirdeggsallowed/Ngarerngiiaomelaielngiselasuebekelcharm |     |     |       |
|   | 38% | 46% | 14%   |

23. HastheestablishmentofanotakeareaatHelenReefledto:/TialblulaHelenReefnguchulmengmlamo:

 $More fish and other marine resources / \underline{Betokangikel meacheled} : 43\% Less fish and other marine resources / \underline{Mekesai angiekel meacheled} : 3\% Nochange / \underline{Diakam lamengodech} : 5\%$ 

Don'tknow/Ngdiakkudengei:48%Noansw

er/Diakanger:0%

24. HowdoyoufeelabouttheenforcementoftherulesatHelenReef?/Nguangerauldesuemelkirela klekerngelmeallechulaHelenReef?

Toomuchenforcement/Ngkukkmalmesisiich 10% Notenoughenforcement/Diakelsalmesisiich 45% Rightamountofenforcement/Ungilaklisiechel 29%Don'tknow/Diakkudengei:15% Noanswer/Diakanger:1%

25. WhatareyourthoughtsoneachrulesandregulationsofHelenReef?I'mgoingtoreadyoueachruleandregulationan dyouwilltellmeifyousupportit./<u>AkkmomasechabebilerallechulaHelenReefekouchaisauldesuemelkirelaikall lach.Ngsoam,ngchetim,koumededenger,ngdiakmodengei.Ealsekumengchetimengngerauchul?</u>

| Rules and regulations               | Support | Don't<br>support | Nuetral | Don't<br>know |
|-------------------------------------|---------|------------------|---------|---------------|
|                                     |         |                  |         |               |
| No Commercial Fishing               | 81%     | 14%              | 4%      | 1%            |
|                                     |         |                  |         |               |
| Harvesting 5 Turtles Per Year       | 69%     | 23%              | 5%      | 3%            |
|                                     |         |                  |         |               |
| Monetary Fines for Violation        | 95%     | 3%               | 1%      | 0%            |
|                                     |         |                  |         |               |
| No-take area                        | 93%     | 4%               | 0%      | 2%            |
|                                     |         |                  |         |               |
| No Net fishing                      | 80%     | 13%              | 3%      | 3%            |
| Fishing activities must be approved |         |                  |         |               |
| by the Helen Reef Board             | 69%     | 24%              | 2%      | 5%            |

- 26. IamgoingtoreadalistofstatementsaboutyourfeelingsontheManagementofHelenReef.Pleasetellmewhetheryo uagree,disagree,areneutral,ordon'tknow:/<u>AkkmomasechabebilerauldasuelkirelaorretelmaokedmeklelaHelenReef,ekongerelkmoakkongeingdiakkengei,akoumededenger,ngdiakudengei</u>
  - a. IsupporttheworkbeingdonebytheHelenReefProject./  $\underline{AkuldubechaureorellongedmoklaHelenReefProject.}$

| Agree/Kekongei             | 86% |
|----------------------------|-----|
| Disagree/Diakkomkengei     | 8%  |
| Neutral/ <u>Oumdednger</u> | 5%  |
| Don'tknow/Diakmodengei     | 1%  |

b. MyfamilyreceivesbenefitsfromtheresourcesofHelenReeflikesharingincatchoffishandturtlesfromHele nReef?/AngkelelaHelenReef,sellemengaiengmurrouselmoerkaumatelungalekerkau?

| Agree/Kekongei         | 47% |
|------------------------|-----|
| Disagree/Diakkomkengei | 30% |
| Neutral/Oumdednger     | 7%  |
| Don'tknow/Diakmodengei | 16% |

c. TheHelenReefProjectprotectsourheritageandidentityasTobians./<u>AHelenReefProjectasmisichii seluldelideldikesederairecharelmei.</u>

| Agree/Kekongei         | 70% |
|------------------------|-----|
| Disagree/Diakkomkengei | 14% |
| Neutral/Oumdednger     | 3%  |
| Don'tknow/Diakmodengei | 11% |

 $d. \quad The Helen Reef Project provides opportunities like employment, funding, training. / \underline{AHelen Reef Project ng} \\ \underline{uchuleng sebechelmelem olemel kerre omela debelma aikelrokuielng arngiier ach elsel.}$ 

| Agree/Kekongei         | 83% |
|------------------------|-----|
| Disagree/Diakkomkengei | 7%  |
| Neutral/Oumdednger     | 3%  |
| Don'tknow/Diakmodengei | 6%  |

 $e. \quad The Helen Reef Project does n't give use nough access to our resources. / \underline{AHelen Reef Project a olnge as ekatechelle la ul se bechelle la liungs$ 

| Agree/Kekongei             | 22% |
|----------------------------|-----|
| Disagree/Diakkomkengei     | 53% |
| Neutral/ <u>Oumdednger</u> | 8%  |
| Don'tknow/Diakmodengei     | 17% |

 $f. \quad The current Helen Reef Project management board is doing a good job. / \underline{Selchel chader a Helen Reef Project management board a ungile lour eor communication of the commu$ 

| Agree/Kekongei         | 53% |
|------------------------|-----|
| Disagree/Diakkomkengei | 19% |
| Neutral/Oumdednger     | 13% |
| Don'tknow/Diakmodengei | 14% |

 $g. \quad The Helen Reef Project prevents us from earning in come. / \underline{AHelen Reef Project amerrobate chelle la}{os is ebel au doud}$ 

| Agree/Kekongei         | 19% |
|------------------------|-----|
| Disagree/Diakkomkengei | 57% |

| Neutral/Oumdednger     | 7%  |
|------------------------|-----|
| Don'tknow/Diakmodengei | 16% |

h. TheHelenReefProjecttakesawayourrightstoliveofftheland./<u>AHelenReefProjecta merrobalemeltammaklisichamelkieieousbechaklungioleltialiungs.</u>

| Agree/Kekongei             | 25% |
|----------------------------|-----|
| Disagree/Diakkomkengei     | 61% |
| Neutral/ <u>Oumdednger</u> | 4%  |
| Don'tknow/Diakmodengei     | 8%  |

 $i. \quad The Helen Reef Project protect sources for the future. / \underline{AHelen Reef Project ao} \\ \underline{mecheliue mengeluoluachutem meade bela Helen Reef.}$ 

| Agree/Kekongei         | 83% |
|------------------------|-----|
| Disagree/Diakkomkengei | 5%  |
| Neutral/Oumdednger     | 6%  |
| Don'tknow/Diakmodengei | 5%  |

27.

 $Have you heard of the Community Conservation Agreement, which may provide some funding to the Helen Reef Project? \\ \underline{Ngngarngiiao dernge semma klemedengeier kauel kirela Community Conservation Agreement, else bechelelm ouu chulange sueraudoudelm eiera Helen Reef Project? \\ \underline{en Reef Project?}$ 

YesChoi: 58% NoDiak: 41% Noanswer:2%

- 28. How have you been involved in the management of the Helen Reef Project? I'll read a list of choices, you can tell me yes or no for each one: / Ng mla ngar ngii a techellem el teloi er a omesodel, malechubeng okedmklel a urerel a Helen Reef Project? Elechang ak mo masech a bebil er aikal teletael er a ureor ekonger el choi malechub eng diak.
  - a. Meetingsanddiscussions/OngdibelmaomesodelaHRProject: Yes:74%
  - b. Volunteeringintheactivitiessuchassurveyingormonitoring/<u>Olngeseuaurerelaomesubel</u> tiaelbasio: Yes:47%
  - c. Workshops,trainings/<u>Omesuubmaosischaklerurereltiaelbasio</u>:Yes:42%
  - d. Boardmember,projectstaff,etc./<u>Chedaltialelchelchad</u>: Yes:34%
  - e. Havenotbeeninvolved/Ngdiakchelsechusemertialureor:Yes:30%

29. WouldyoubeinterestedinbeingmoreinvolvedinthemanagementofHelenReef? / NgarngiiaklemeriarrengerkauelolngeseueoldubechaurerelaHelenReefProject? Yes: 68%

 $31. \\ Doyouhaveanysuggestionstoimprovethemanagementofthe HRP roject?/\underline{Ngarngi}\\ \underline{iadingode chelulde suemelse bechelelmongo sukemamels misichiia oked meklelma orretel}\\ \underline{aHRP roject?}$ 

41 people did not provide any suggestions. The following are responses that were given:

|    | Suggestion for Improvement  |  |
|----|---|--|
| 1  | try to improve natural resources in HR and creat job opps for Tobians/ HR   |  |
| 2  | involve Tobians in planning and policy making for HR  |  |
| 3  | 1) chairmen should step down and allow other to take over the board (get more board members) and change structure of board. The foundation is there so it just needs maintenance. Board should have advisory board like Yim, Mike G, Scott A, Meghan, etc for advice on certain topics. 2) HR program focus on designing ways to connect the community with benefits (e.g. sell fish cheap to comm. people. More activities to connect benefits, 3) state gov should do more. Issues are same from 10 yrs agao (e.g. transport, education, health care) |  |
| 4  | Want the Board members to look through Rules and regulation that would fit Tobian people. Be active in giving awareness to people of Hatohobei  |  |
| 5  | Safety and protection for the Rangers. The fish can run away but the people need safety and protection too. Humans protect the fish but no one protect the people.  |  |
| 6  | More communication between staff, office staff, rangers, entire management team working communication   |  |
| 7  | Get more experience person to run the program and staff knowledgeable to carry out duties effectively   |  |
| 8  | Manager needs more training to improve-how to run office  |  |
| 9  | Keep up with the enforcement  |  |
| 10 | Doing a job and continue enforcing the law. Sell the food we don't eat for income for Helen Reef Project.   |  |
| 11 | Provide more training in enforcement  |  |
| 12 | Communication need to improve   |  |
| 13 | Stop the tagging of turtle  |  |
| 14 | Enforce the law like illegal fishing  |  |

| 15 | Enforcement of law fist let the public to make the decision about the law to equal and limit enough   |
|----|---|
| 16 | Better enforcement of rules and regulation.   |
| 17 | Move Helen Reef Project more closer to Tobi State and be more open and more service   |
| 18 | Return the decision management to the community   |
| 19 | Improve employees; more workers   |
| 20 | Improve officers skills/provide supplies, equipment, foods, wives, transportation; work together as on office   |
| 21 | More employment; trips  |
| 22 | More transportation, more needs like gas, water tank, and other supplies for rangers. Rangers need to be armed for their own safety and protection  |
| 23 | Build houses for the rangers and also for the people so when we visit we can have place to stay/live in.  |
| 24 | Do more studies   |
| 25 | Find job for community of Tobi; protect the island for the next generation  |
| 26 | Be more open and supportive to your words   |
| 27 | Keep up the good job and be more open and do more activities to open up to environment  |
| 28 | Fire all board members and replace with new members   |
| 29 | Lack of rangers, lack of man power  |
| 30 | Reset the no take zone to make it more accessible to people   |
| 31 | Improve law enforcement officers  |
| 32 | Train more staff, make the staff/management be more active.   |
| 33 | If it's conservation, why allowed to kill a lot of turtle more than 5 a year. Have to minimize the take zone. Train the staff that is they really need not because there's training.  |
| 34 | Get more rangers and improve more activities  |
| 35 | Need more rangers   |
| 36 | Secure the people living on Helen Reef and Tobi   |
| 37 | Turtle, trochus, fish, sea cucumber; sell and report if islanders want and if theres buyer they sell; report all about the resources every year and their location; rangers have to count and tell where the trochus and seacucumber lay eggs, etc) |
| 38 | You guys are doing a good job, but please look for a lot of people to help enforce the law.   |
| 39 | We need more promotion and resources to showcase our organization/project.  |
| 40 | Need more improvement in rules & regulations; need more improvement in management   |
| 41 | Work harder for the better  |
| 42 | Wants Helen Reef Project to improve the conservation areas in order to receive more fundings,instead of causes harms to the conservation areas.   |
| 43 | Don't know because I am not able to attend meetings, but if I had the chance, I will.   |

| 44 | Meeting, please make more information   |
|----|---|
| 45 | Get more tools and fuel, boats, and carpentrery equipments. Need more rangers.  |
| 46 | The worker should work harder   |
| 47 | Need to relocate/rebuild enforcement station so it's safe; need more people as staff- financial officer and field coordinator; need funding; Admin. Asstistant not funded under PAN and using other sources might lose one staff; |
| 48 | More trainings to keep up the good work; follow the rules and policies  |
| 49 | More staff  |
| 50 | If there's enforcement than enforce it accordingly. Have more people visit Helen Reef for the first hand experience of sustainable marine life.   |
| 51 | Need to work hard, communication need to be improved. Respect for each other.   |
| 52 | More rangers, build rangers house so it won't fall into water; provide more food for rangers cause there's lack of food on the island   |
| 53 | Make attract more tourist   |
| 54 | Yes, I will speak my mind when the meeting held.  |
| 55 | Upper management better stop making laws and they break them.   |
| 56 | not applicable because off island   |
| 57 | not at this time. I would like a copy of the agreement and along with some reports so I can better understand whats going on with the project and can add suggestions   |

## Appendix 3 - Helen Reef Management Project 2015 SEM-Pasifika Team

## **Core HRMP Team**

- Rosania Victor (HRRMP)
- Mary Yangilmau (HOPE)
- Charley Patris (HOPE)
- Tracy Marcello (HRRMP)
- Gloria Patris (HRRMP)
- Surech Hideyos (OneReef Micronesia)

### **Enumerators**

- Phillip Tirso
- Pasqual Theodore
- Jesse Sumor
- Tiffany Pedro
- Daphnie Pedro
- Angeles Yangilmau
- Monica John
- Dilang Elisa Sumor
- William Carlos
- Sophia Donato
- Nathan Ngiroral Franco
- Ines Kintoki
- Aprilyn Donato
- Leah Joson
- Brandon Patris
- Jemaima Eileen Robinson

## **Technical Support**

- Meghan Gombos, PIMPAC Regional Advisor
- Wayne Andrew, PIMPAC Regional Mentor